



Type 2 AC surge protector - 3-phase+N

CITEL

DAC40CS-40-440



- ↳ Compact, multipole type 2
- ↳ Conductivity per pole: $I_n = 20 \text{ kA}$; $I_{max} = 40 \text{ kA}$
- ↳ Protection modes - common and/or differential
- ↳ Safe disconnect device
- ↳ Transverse / longitudinal voltage protection
- ↳ Energetically coordinated
- ↳ Pluggable protection module
- ↳ Remote signalling
- ↳ Conforms to IEC 61643-11 / EN 61643-11 and UL1449 ed.5



	Electrical Characteristics		
	SPD type	2	
<p>V: High-energy varistor Ft: Thermal fuse C: Remote signal contact t*: Thermal disconnection system MI: Disconnection indicator</p>	Network	230/400 V	
	AC system	IT	
	Max. AC operating voltage	U_c	440 Vac
	Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	580 Vac withstand
	Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	770 Vac disconnection
	Residual Current Leakage current to Ground	I_{pe}	< 1 mA
	Follow current	I_f	None
	Nominal discharge current 15 x 8/20 μ s impulses	I_n	20 kA
	Max. discharge current max. withstand @ 8/20 μ s by pole	I_{max}	40 kA
	Total Maximum discharge current max. total withstand @ 8/20 μ s	I_{max} Total	160 kA
	Protection mode(s)		L/PE and N/PE
	Protection level N/PE @ I_n (8/20 μ s)	U_p N/PE	1.8 kV
	Protection level L/PE @ I_n (8/20 μ s)	U_p L/PE	1.8 kV
Admissible short-circuit current	I_{sccr}	10 000 A	
Mechanical Characteristics			
Technology		MOV	
SPD configuration		3-phase+Neutral	
Connection to Network		By screw terminals: L/N = 1.5-10mm ² (16mm ² rigid) or PE = 2.5-25mm ² (35mm ² rigid)	
Format		Plug-in modular box	
Mounting		Symmetrical rail 35 mm (EN 60715)	
Housing material		Thermoplastic UL94 V-0	
Operating temperature	T_u	-40/+85°C	
Protection rating		IP20	
Failsafe mode		Disconnection from AC network	
Disconnection indicator		2 mechanical indicators - Red/Green	
Spare module(s)		MDAC40C-40-440	
Remote signaling of disconnection		Output on changeover contact	
Wiring for remote signaling		1.5 mm ² max.	
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)	
Dimensions		See diagram - 2TE (EN43880)	
Weight		0.275 kg	
Disconnectors			
Thermal disconnector		Internal	
Installation ground fault breaker		Type 'S' or delayed	
Back-up protection device		50 A min. - 125 A max. - Fuses Type gG	
Standards			
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5	
Certification		KEMA	
Part number			
		821510422	

